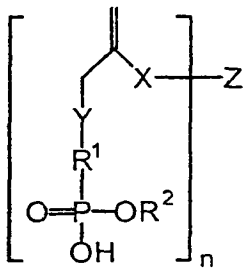
In the Abstract:

Replace the Abstract with the following section:

Abstract

Hydrolysis-stable and polymerizable acrylophosphonic acid with the general formula

(I)



(I)

which is particularly suitable as a component of dental materials is disclosed.

In the Claims:

Please replace pending claims 2-11 with amended claims 2-11 as follows:

2. (Amended) Acrylophosphonic acid according to claim 1, wherein the variables of formula (I) have the following meanings independently of each other:

R^1 = a linear or branched C_1 to C_5 alkylene radical of phenylene;

R^2 = hydrogen or a linear C_1 to C_3 alkyl radical;

Y = oxygen or is absent;

X = CN or $CONR^3$ with

R^3 = hydrogen, a linear C_1 to C_6 alkyl radical, a phenyl radical or together with Z part of a six-membered ring;

n = 1 or 2; and

Z = hydrogen or a linear or branched C_1 to C_{10} alkyl radical, a phenyl radical or together with R^3 part of a six-membered ring (for n = 1); or

Z = a linear C_1 to C_{10} alkylene radical or together with R^3 part of a six-membered ring (for n = 2).

3. (Amended) Acrylophosphonic acid according to claim 2, wherein the variables of formula (I) have the following meanings independently of each other:

R^1 = a linear C_1 to C_4 alkylene radical;

R^2 = hydrogen or a methyl radical;

Y = oxygen;

X = $CONR^3$;

R^3 = hydrogen or a linear C_1 to C_5 alkyl radical; and

Z = hydrogen or a linear C_1 to C_6 alkyl radical (for n = 1); or

Z = a linear C_1 to C_5 alkylene radical (for n = 2).

4. (Amended) Acrylophosphonic acid according to claim 1, wherein the radicals R^1, R^2, R^3 and/or Y are unsubstituted.

5. (Amended) Acrylophosphonic acid according to claim 1, wherein the radical Z is unsubstituted or is substituted by =O, =S, $=NR^2$ or $-NR^3-CO-C(=CH_2)CH_2-Y-R^1-PO(OH)_2$.

6. (Amended) Acrylophosphonic acid according to claim 1, wherein said acrylophosphonic acid is a component of an adhesive, of a polymer, of a composite, of a cement, of a molded article or a dental material.

7. (Amended) Acrylophosphonic acid according to claim 6, wherein the dental material is a dental adhesive, a fixing cement or a filling composite.

8. (Amended) Acrylophosphonic acid according to claim 6, wherein the acrylophosphonic acid is present in at least partially polymerized form.

9. (Amended) Dental material containing an acrylophosphonic acid according to claim 1.

10. (Amended) Dental material according to claim 9, containing the acrylophosphonic acid in at least partially polymerized form.

11. (Amended) Polymers and copolymers obtained by polymerization or copolymerization of an acrylophosphonic acid according to claim 1.